

**GROWTH TOLERANCE OF BIOLUMINESCENT
BACTERIA TOWARDS HEAVY METAL**

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ABSTRACT

GROWTH TOLERANCE OF BIOLUMINESCENT BACTERIA TOWARDS HEAVY METAL

Luminescent bacteria is a bacteria species that have the ability to give a significance as an indicator to the pollutant in marine environment. Luminescent bacteria is a species that capable of producing its own light and is significant environment marker. The purpose of this study is to isolate and study the growth of luminescent bacteria towards the activity and reaction with the heavy metal. The luminescent bacteria strain was isolated from fresh squid obtained from wet market in Kuala Pilah. Luminescent agar was used to select *Vibrio spp.* The colonies found was cultured in broth medium. A yellow coloured colony was observed on luminescent agar. The yellow colony can observed after 24 hours of incubation. In conclusion, the final finding found that heavy metal do inhibit and decreased the growth of luminescent bacteria as time increases.